		1				50
	1	HHNGTNGTMM	QYFEWHLPND	GNHWNRLRDD	ASNLRNRGIT	
5	2		OYFEWYLPND	GNHWNRLRSD	ASNLKDKGIS	
	3		OYFEWYLPND	GNHWNRLRDD		AVWIPPAWKG
	4		OYFEWYTPND	GOHWKRLOND		AVWIPPAYKG
	5		QYFEWYMPND	GQHWRRLOND		AVWIPPAYKG
	6		QYFEWYLPDD	GTLWTKVANE		ALWLPPAYKG
10			~			······································
		51				100
	1	TSQNDVGYGA	YDLYDLGEFN	QKGTVRTKYG	TRSOLESAIH	ALKNNGVOVY
	2		YDLYDLGEFN			ALKSNGIQVY
	3	TSQNDVGYGA	YDLYDLGEFN			SLKNNGIOVY
15	4	LSQSDNGYGP	YDLYDLGEFQ			SLHSRNVQVY
	5		YDLYDLGEFH			SLHSRDINVY
	6	TSRSDVGYGV	YDLYDLGEFN	QKGTVRTKYG		AAHAAGMOVY
						~ -
		101				150
20	1	GDVVMNHKGG	ADATENVLAV	EVNPNNRNQE	ISGDYTIEAW	TKFDFPGRGN
	2	GDVVMNHKGG		EVNPNNRNQE	VSGEYTIEAW	TKFDFPGRGN
	3	GDVVMNHKGG		EVNRSNRNQE	TSGEYAIEAW	TKFDFPGRGN
	4	GDVVLNHKAG		EVNPANRNQE	TSEEYQIKAW	TDFRFPGRGN
	5	GDVVINHKGG		EVDPADRNRV	ISGEHLIKAW	THFHFPGRGS
25	6	ADVVFDHKGG	ADGTEWVDAV	EVNPSDRNQE	ISGTYQIQAW	TKFDFPGRGN
		151				200
	1	TYSDFKWRWY		RQFQNRIYKF	RGDGKAWDWE	VDSENGNYDY
	2		HFDGVDWDQS	RKLNNRIYKF	RGDGKGWDWE	VDTENGNYDY
30	3		HFDGTDWDQS	RQLQNKIYKF	RGTGKAWDWE	VDTENGNYDY
	4		HFDGADWDES	RKI.SRIFKF	RGEGKAWDWE	VSSENGNYDY
	5	TYSDFKWHWY		RKL.NRIYKF	QGKAWDWE	VSNENGNYDY
	6	TYSSFKWRWY	HFDGVDWDES	RKL.SRIYKF	RGIGKAWDWE	VDTENGNYDY
25				- '		
35				Figure 1(a	1)	

```
5
        201
        LMYADVDMDH PEVVNELRRW GEWYTNTLNL DGFRIDAVKH IKYSFTRDWL
    1
        LMYADIDMDH PEVVNELRNW GVWYTNTLGL DGFRIDAVKH IKYSFTRDWS
    2
    3
        LMYADVDMDH PEVIHELRNW GVWYTNTLNL DGFRIDAVKH IKYSFTRDWL
    4
       LMYADVDYDH PDVVAETKKW GIWYANELSL DGFRIDAAKH IKFSFLRDWV
        LMYADIDYDH PDVAAEIKRW GTWYANELOL DGFRLDAVKH IKFSFLRDWV
10
    5
        LMYADLDMDH PEVVTELKNW GKWYVNTTNI DGFRLDAVKH IKFSFFPDWL
        251
                                                             300
        THVRNATGKE MFAVAEFWKN DLGALENYLN KTNWNHSVFD VPLHYNLYNA
    1
15
    2
        IHVRSATGKN MFAVAEFWKN DLGAIENYLN KTNWNHSVFD VPLHYNFYNA
    3
        THVRNTTGKP MFAVAEFWKN DLGAIENYLN KTSWNHSAFD VPLHYNLYNA
        QAVROATGKE MFTVAEYWON NAGKLENYLN KTSFNOSVFD VPLHFNLOAA
    5
       NHVREKTGKE MFTVAEYWON DLGALENYLN KTNFNHSVFD VPLHYQFHAA
        SYVRSQTGKP LFTVGEYWSY DINKLHNYIT KTDGTMSLFD APLHNKFYTA
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    1
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        SNSGGYYDMR NILNGSVVQK HPTHAVTFVD NHDSQPGEAL ESFVQQWFKP
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        STOGGGYDMR KLLNGTVVSK HPLKSVTFVD NHDTOPGOSL ESTVOTWFKP
       SKSGGAFDMR TLMTNTLMKD OPTLAVTFVD NHDTEPGOAL OSWVDPWFKP
        351
                                                             400
30
       LAYALILTRE QGYPSVFYGD YYGIPTHS.. . VPAMKAKID PILEARQNFA
   1
       LAYALTLTRE QGYPSVFYGD YYGIPTHG.. . VPAMKSKID PILEARQKYA
       LAYALVLTRE QGYPSVFYGD YYGIPTHG.. . VPAMKSKID PLLQARQTFA
   3
       LAYAFILTRE SGYPOVFYGD MYGTKGTSPK EIPSLKDNIE PILKARKEYA
       LAYAFILTRE SGYPQVFYGD MYGTKGDSQR EIPALKHKIE PILKARKQYA
    5
35
       LAYAFILTRO EGYPCVFYGD YYGIPOYN.. . IPSLKSKID PLLIARRDYA
       401
       YGTQHDYFDH HNIIGWTREG NTTHPNSGLA TIMSDGPGGE KWMYVGONKA
   1
       YGRON.....
       YGTQHDYFDH HDIIGWTREG NSSHPNSGLA TIMSDGPGGN KWMYVGKNKA
40
   3
    4
       YGPQHDYIDH PDVIGWTREG DSSAAKSGLA ALITDGPGGS KRMYAGLKNA
   5
       YGAQHDYFDH HDIVGWTREG DSSVANSGLA ALITDGPGGA KRMYVGRQNA
       YGTQHDYLDH SDIIGWTREG GTEKPGSGLA ALITDGPGGS KWMYVGKQHA
45
```

Figure 1 (b)

5	1 2 3 4	GQVWRDITGN GETWYDITGN	RTGTVTINAD RSDTVKIGSD	GWGNFSVNGG GWGEFHVNDG	SVSIYVQ	
10	5 6				SVSIYVQR SVSVWVPRKT	TVSTIARPIT
15	1 2 3 4 5	501 TRPWTGEFVR	519			
20						

Figure 1 (c)

5

10

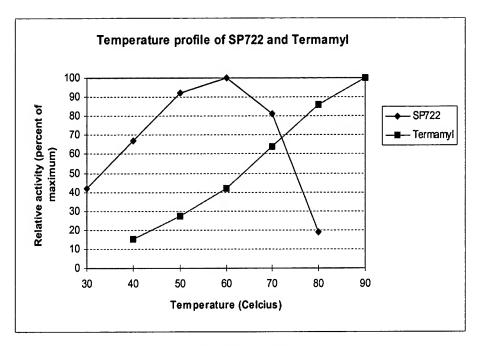


Figure 2 (b)

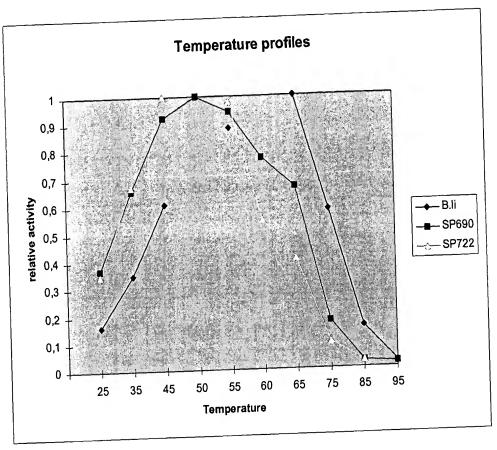


Figure 3

5

10	3 4 5	1 1 MKFVLLLSLI 2LLSLI 3 4 MKFFLLLFTI 5 MKLNKIITTA	GFCWAQYDPH QYAPQ GFCWAQYSPN	TADG.RTAIV TQSG.RTDIV TQQG.RTSIV	HLFEWRWADI HLFEWRWVDI	AKECERYLAP ALECERYLAP
15	3	51 1 KGFGGVQVSP 2 KGFGGVQVSP 3 KGFGGVQVSP 4 KGFGGVQVSP 5 KGYAAVQVSP	PNENIIINNP PNENVVVTNP PNENVAIYNP	SRPWWERYQP SRPWWERYQP FRPWWERYQP	ISYKICSRSG VSYKLCTRSG VSYKLCTRSG	NENEFKDMVT NENEFRDMVT NEDEFRNMVT
20) 3	101 1 RCMNVGVRIY 2 RCMNVGVRIY 3 RCMNVGVRIY 4 RCMNVGVRIY 5 RCSAAGVDIY	VDAVINHMCG VDAVINHMCG VDAVINHMCG	SGNSAGTHST SGAAAGTGTT NAVSAGTSST	CGSYFNPNNR CGSYCNPGNR CGSYFNPGSR	EFSAVPYSAW EFPAVPYSAW DFPAVPYSGW
25 30	3	151 1 DFNDNKCN 2 YFNDNKCN 3 DFNDGKCKTA 4 DFNDGKCKTG 5 DFHES.CTIN	.GEINNYNDA SGGIESYNDP SGDIENYNDA	NQVRNCRLSG YQVRDCQLVG TQVRDCRLTG	LLDLALDKDY LLDLALEKDY LLDLALEKDY	VRTKVADYMN VRSMIADYLN VRSKIAEYMN
35	3	201 1 HLIDIGVAGF 2 NLIDIGVAGF 3 KLIDIGVAGF 4 HLIDIGVAGF 5 DLQAIGVKGF	RLDAAKHMWP RLDASKHMWP RLDASKHMWP	GDIKAVLDKL GDIKAVLDKL GDIKAILDKL	HNLNTKWFSQ HNLNTNWFPA HNLNSNWFPA	GSRPFIFQEV GSRPFIFQEV GSKPFIYQEV
40	3	251 1 IDLGGEAIKG 2 IDLGGEAIKG 3 IDLGGEAIKS 4 IDLGGEPIKS 5 IDQGGEAVGA	SEYFGNGRVT GEYFSNGRVT SDYFGNGRVT	EFKYGAKLGT EFKYGAKLGT EFKYGAKLGT	VIRKWNGEKM VVRKWSGEKM VIRKWNGEKM	SYLKNWGEGW SYLKNWGEGW SYLKNWGEGW
45 50	<u>:</u>	301 1 GLVPSDRALV 2 GFVPTDRALV 3 GFMPSDRALV 4 GFVPSDRALV	FVDNHDNQRG FVDNHDNQRG	HGAGGASILT HGAGGSSILT	FWDARMYKMA FWDAYRKLVA	VGFMLAHPYG VGFMLAHPYG
55		GFMPSSSAVV 351 FTRVMSSYRW FTRVMSSYRW FTRVMSSYRW FTRVMSSYRW FTRVMSSYRW FTRVMSSYRW	FVDNHDNQRG NRNFQNGKDQ TRNFQNGKDV ARNFVNGEDV PRQFQNGNDV	HGGAG.NVIT NDWIGPPNNN NDWIGPPNNN NDWIGPPNNN NDWVGPPNNN	GVTKEVTINA GVTKEVTINP GVIKEVTINA GVIKEVTINP	NVFMLAYPYG 400 DTTCGNDWVC DTTCGNDWVC DTTCGNDWVC DTTCGNDWVC
60				Fig 4 (a)		

Fig. 4 (a)

Fig. 4 (b)

5	401 1 EHRWRQIRNM VAFRNVVNGQ .PFSNWWDNN SNQVAFSRGN RGFIVFNNDD 2 EHRWRQIRNM VAFRNVVNGQ .PFANWWDNG SNQVAFSRGN RGFIVFNNDD 3 EHRWREIRNM VWFRNVVDGE .PFANWWDNG SNQVAFGRGN RGFIVFNNDD 4 EHRWRQIRNM VIFRNVVDGQ .PFTNWYDNG SNQVAFGRGN RGFIVFNNDD 5 EHRWSYIAGG VDFRNNTADN WAVTNWWDNT NNQISFGRGS SGHMAINKED
10	451 500
	1 WALSATLQTG LPAGTYCDVI SGDKVDGN CTGLRVNVGS DGKAHFSISN
	2 WALSSTLQTG LPAGTYCDVI SGDKVNGN CTGLKVNVGS DGKAHFSISN
	3 WQLSSTLQTG LPAGTYCDVI SGDKVGNS CTGIKVYVSS DGKAQFSISN
	4 WSFSLTLQTG LPAGTYCDVI SGDKINGN CTGIKIYVSD DGKAHFSISN
15	5 STLTATVQTD MASGQYCNVL KGELSADAKS CSGEVITVNS DGTINLNIGA
	501 521 1 SAEDPFIAIH ADSKL 2 SAEDPFIAIH ADSKL
20	3 SAEDPFIAIH AESKL
	4 SAEDPFIAIH AESKL
	5 WDAMAIH KNAKLNTSSA S